



Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12



Vol. 2 — No. 18

OAK RIDGE, TENNESSEE

Tuesday, May 4, 1948



DR. C. E. LARSON
Y-12 Superintendent

Dr. Larson Voices Pride On Y-12 Progress Made During Past Year

Just on year ago today, on May 4, 1947, operations at Y-12 were taken over by Carbide and Carbon Chemicals Corp. from Tennessee Eastman Corp., which had operated the plant since production began early in 1944. So it is with interest that The Y-12 Bulletin looks back over the past 12 months and recalls the outstanding events of the period in this anniversary edition.

Dr. C. E. Larson, Y-12 Superintendent, in reviewing the progress made during the past year voices just pride in the

accomplishments achieved by employees in the plant. In a statement, Dr. Larson declared:

"It is difficult for most of us to realize that a year has passed since Carbide and Carbon Chemicals Corp. assumed responsibility for operations at Y-12. During that year, Y-12 may well be proud of its record. The accomplishments have been in many fields. The production responsibilities at this plant have been discharged at a constantly decreasing cost to the Government. In addition, several new projects of im-

portance to the Atomic Energy Commission have been undertaken. Research and development activities have been increased and several significant advances have been made in the electromagnetic process. The production of stable isotopes at Y-12 has received nationwide recognition and these products from our area are now used in important nuclear research throughout the nation.

Proud of Athletic Teams

"Because of security considerations it is impossible to give a detailed account of many of the activities here at Y-12 of which we are most proud. However, some of our accomplishments we can feel free to discuss. The records made by our athletic teams in representing Y-12 have been a source of pride to all. Our safety record is one that reflects the cooperation of everyone in the plant.

"Y-12 can take special pride in the record of our Fire Department in winning second place in the national fire prevention contest.

"Future plans for improving the Y-12 area by removing obsolete buildings and obsolete material will result not only in improvements in safety and fire protection, but will make the plant a much more attractive place in which to work.

"New projects which are contemplated or are already underway testify to the effectiveness of the Y-12 organization in carrying out new assignments and cannot help but lead to a sense of confidence in the future of Y-12."

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Plant Protection Program Progress Covers All Y-12

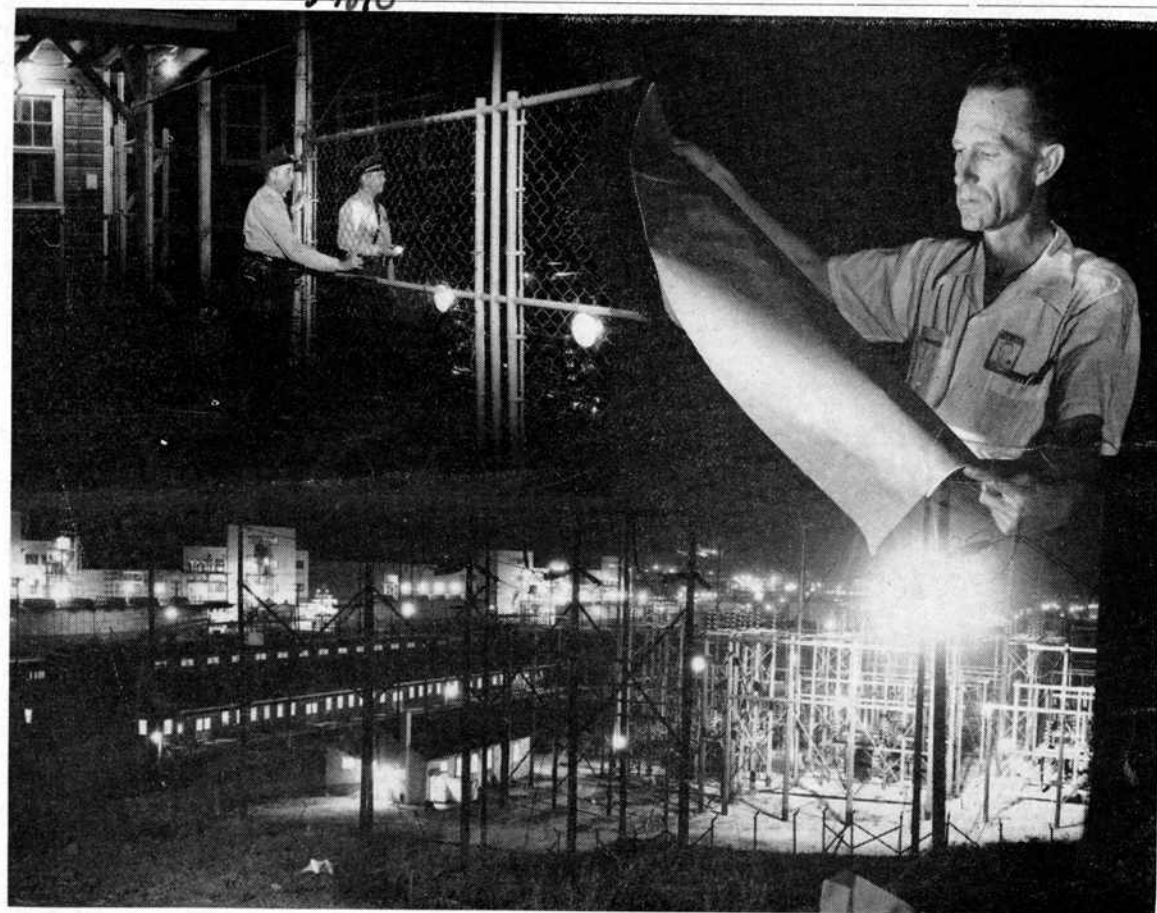
A year of progress under Carbide has been marked by many important steps forward in the field of plant protection for the interests of the country, every employee in Y-12 and the physical property of this vital atomic energy development installation.

Many of these phases are obvious in their regular stages of development while others are progressing just as steadily although outward evidence is not so easily observed. Some steps of the program are plant-wide in coverage—such as the Plant Emergency Plan, the Safety Program, the Fire Prevention and Cleanup activities, the constant stress on observance of security regulations and meetings of departmental safety committees.

Some Steps Not Publicized

Readers of The Y-12 Bulletin have been kept well-informed as to the details of the major steps in the plant protection program—so just a brief review of the major features will suffice. However, there are a number of steps not greatly publicized on which some elaboration might prove of inter-

(Continued on Page 3)



OPERATIONS IN Y-12 EXTEND AROUND THE CLOCK AS IS SHOWN IN THESE EXCELLENT pictures of night time activities in the plant made recently by Photographer Vince Moore.

Stable Isotope Production, Distribution By Y-12 Marks Scientific Program For Year

Probably the outstanding announced achievement of Y-12 scientists during the past year was the culmination of the program of development and production of stable isotopes in the Research and Development Division. Distribution of the stable isotopes already has begun and they are expected to open up new fields of scientific research as they speed exploration of the structure of the atomic nuclei and basic understanding of highly important scientific problems.

Distributed To Laboratories

Scientists of Y-12 worked for many months on the program of development of the stable isotopes and their success was announced in The Y-12 Bulletin December 9, when it was revealed that the

(Continued on Page 8)

Liberal Employee Benefits Received By Y-12 Employees Under Carbide Management

A liberal policy of employee benefits was presented to employees of Y-12 when it was first announced early in 1947 that Carbide and Carbon Chemicals Corp. would take over the operations of this plant from Tennessee Eastman Corp., effective just one year ago today. Long-

standing policies of Carbide pertaining to insurance, vacations, savings plan, retirement plan and other features were made available and other facilities also were presented for the convenience of Y-12 employees who elected to remain here after Carbide took over.

TEC Service Is Counted

In March, 1947, when it became known that Carbide would assume Y-12 operations, C. N. Rucker, who

(Continued on Page 8)

10-MONTH ABSENTEE MARK IN Y-12 LOW

Since the attendance records in Y-12 began to be computed on the present basis of dividing departments into two leagues according to size, the absentee mark in the plant over a period of 10 months is 2.9 per cent. This record is described as being exceptionally good. The figures on which this record is taken go back to July 1, 1947.

Seminar On Research Technique To Assist Employees In Y-12

To assist the technical and scientific personnel of Y-12, the Research and Development Division has announced plans for holding a seminar on research technique to begin at 3 p. m. Wednesday, May 5, for a selected group of 200 employees of the plant.

The seminar sessions will be continued over a period of several months, it is explained by Dr. E. D. Shipley, Director of the Research and Development Division. The sessions will be held every two weeks at the west end of the Y-12 cafeteria and each meeting will last from 3 p. m. to 4:20 p. m.

Dr. Hurd To Lead Meeting

The first five sessions of the seminar will be conducted by Dr. Cuthbert Hurd, of the mathematics staff of the Carbide and Carbon Chemicals Corp. K-25 plant. The subject of Dr. Hurd's sessions will be "Application of Statistical

Methods." Following Dr. Hurd's sessions, the next two meetings will be conducted by R. L. Murray, of Y-12. His topic will be "Practical Application of Differential Equations."

Other Topics Listed

Other topics to be discussed at the seminar sessions include "Theory and Construction of Nomographs," "Empirical Formulae," "Patent Laws," "Electronics" and "Report Writing." The leaders of these classes will be announced later.

The seminar is being conducted to assist the participating employees in solving some of the many scientific and technical problems that confront them in their work. Anyone interested in having other subjects presented to the seminar than those listed is asked to communicate with Dr. Shipley.

Y-12 Celebrates Its First Carbide Birthday—Activities Of Year Are Reviewed

Y-12 Bulletin

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Laundry Has Spotless Record For Five Weeks

Dept. A19N, Laundry, extended its spotless attendance record to five weeks in a row for the seven-day period ending April 25 to hold current honors in Y-12 as the number of departments with no absences dropped from nine during the week ending April 18 to five for the following week. The plant absentee mark rose slightly from 2.2 for the week ending April 18 to 2.4 per cent for the next period. Two Other Groups Repeat

Maintaining perfect records from the previous week in the minor league, Dept. A12J, Industrial Services; and Dept. A12L, Employment, joined the Laundry Department at the top of the standings. Also joining the perfect attendance bracket were Dept. A12T, Garage Repair Shop, which jumped from second place; and Dept. A12R, Cafeteria and Canteen, which held ninth place for the week ending April 18.

In second place in the minor league was Dept. A12N, General Maintenance Office, Planning and Estimating, with an absentee mark of .7 per cent and which rose from fifth place. Third place was held by Dept. B12A, Superintendents, with an absentee record of .8 per cent.

Firemen Hold Top Spot

In the major league, firemen of Dept. A14J held the top position they occupied jointly the previous week. However, they failed to repeat the perfect attendance mark turned in for the week ending April 18 but had an absentee record of only .3 per cent. Dept. A13N, General Utility and Standby, held second place with an absentee mark of .8 per cent and Dept. H12E, Process Development, was third with an absentee record of an even one per cent.

The complete Y-12 absentee record by departments for the week ending April 25 follows:

MAJOR LEAGUE More than 50 Employees				
Dept.	Percentage Absent	4-25-48	Standing	4-18-48
A14J	0.3	1	1	1
A13N	0.8	2	4	2
H12E	1.0	3	2	2
B12H	1.3	4	3	3
A14N	1.4	5	1	1
A12P	1.82	6	14	14
B12L	1.84	7	15	15
A12S	2.0	8	13	13
A12G	2.1	9	10	10
A16N	2.3	10	7	7
H12I	2.5	11	6	6
A12W	2.6	12	8	8
B13L	2.9	13	12	12
A17N	3.1	14	5	5
B12C	3.3	15	9	9
A12M	5.0	16	16	16
H12D	6.6	17	11	11

Group absentee percentage was 2.4 per cent, .2 per cent higher than the preceding week.

MINOR LEAGUE 15-49 Employees				
Dept.	Percentage Absent	4-25-48	Standing	4-18-48
A12J	0.0	1	1	1
A12L	0.0	1	1	1
A19N	0.0	1	1	1
A12T	0.0	1	2	2
A12R	0.0	1	9	9
A12N	0.7	2	5	5
B12A	0.8	3	1	1
B13C	1.1	4	4	4
A13S	1.3	5	1	1
M13P	2.0	6	6	6
A13T	2.7	7	3	3
A15N	3.0	8	1	1
M12S	4.3	9	8	8
A12D	5.6	10	1	1
A12A	7.0	11	7	7

Group absentee percentage was 2.3 per cent, .7 per cent higher than the preceding week.

The plant average for the week ending April 25 was 2.4 per cent, .2 per cent higher than the preceding week.

Hospital List

The following Y-12 employees were patients in the Oak Ridge Hospital last week: Eugene M. Williams, Dept. B12C; James V. Ledbetter, Dept. A12G; Lillie B. Clas, Dept. A12D.

Strictly Confidential..

Nell Nabors, Dept. B12L, visited her parents in Mansville, La., recently . . . John Norris, former Y-12 employee, visited W. R. Macintosh, Dept. B12L, and L. E. Burkhardt, Dept. H12L, in Oak Ridge recently. Norris lives in Boston, Mass., and is employed by MIT . . . Lanelle Dobbins spent last week vacationing in Roswell, N. M. . . Eunice Jones spent a recent week end in LaFollette with Inez Heatherly.

Dept. A12M welcomes J. D. Raulston back to work after an extended illness.

Dept. H12L extends sympathy to Boyd Weaver over the death of his mother at Grand Junction, Col. Weaver was attending the national spring meeting of the American Chemical Society at Chicago when informed of his mother's death and left immediately for Colorado . . . The department also is sorry to hear of the death of Eric Swanson's father, who died in New York . . . The department likewise regrets to hear of the death of Boogie Garrett's father-in-law and extends sympathy.

Dept. H12D wishes a speedy recovery to Dottie Mellen, who is on the sick list.

W. C. Anderson, Dept. A12S, returned to work Monday after a week vacation spent in Cookeville, Tenn. . . . The fishermen around the vicinity were Bob Bunch and Jack Garland, of Dept. A12S, and Joe Evans, Dept. A13S, who went fishing at Douglas Lake and came back with a big fish tale, but no one saw any fish.

G. P. Schaefer, Dept. A14N, returned to work Monday after a week vacation.

Several employees on Group No. 1 of Dept. B12H enjoyed a wiener roast given at the Oak Ridge Golf and Country Club recently . . . Happenings on Group No. 3 . . . Madeline Acuff is back at work after a vacation spent visiting points in the state . . . Naomi Brummet enjoyed a week vacation spent visiting friends in and around Clinton . . . Paul Whillock returned to work after spending a quiet vacation in Oak Ridge . . . Mary Mitchell spent a recent week end in Reidsville, N. C. . . . Dottie Jones flew to Norfolk, Va., during a recent week end . . . Lea King visited friends in Corbin, Ky., recently . . . Louis Childs and family spent a recent week end in West Baden Springs, Ind., with Louis' sister . . . Opal Simmons visited friends in Harlan, Ky., during a recent week end . . . Jay Stevens spent a recent week end in Athens, Tenn., with his brother. "Oh! My aching back" says H. J. Ratjen, who has been spending his spare time tosoiling his yard, and wonders if it's worth the work.

Spring was official here last week when Fes Lowery, Dept. A16J, walked in wearing a straw hat. The first one we have seen this season . . . Trasda Joiner was the guest of her sister in Cookeville, Tenn., during a recent week end.

Pauline White, Dept. A19N, and her husband, Roy, spent a recent week end in Frankfort, Ky., visiting Pauline's parents . . . M. P. Branham spent a recent vacation taking life easy at his home in Harriman.

R. M. James, Dept. B12A, is the latest member of the Walking Man Club. The stork left a son, to be named Joe Harlan, for the James family at the Oak Ridge Hospital April 29.

George Strassen, Dept. B12C, is vacationing in Jekle Island this week.

Nelson Tibbatts, of Dept. A12N, and Jack Case, of Dept. A12N, taking time out from boat building to lay water pipe on the Oak Ridge golf course with the aid of J. C. Bowles, of Dept. A12W. We are still waiting on those "fish tales," so hurry on with the new boat.

Dept. A13N has a few on the vacation list, including A. H. Gough one week; W. Johnson, two weeks; E. B. Cox, two weeks; and F. D. Robinson, one week. We hope they all have a nice rest and enjoy themselves.

Dept. A12M sends get well wishes to Crit Barker, who is ill

in St. Mary's Hospital in Knoxville.

We have had quite a few reports on men fishermen—here's a lady angler, namely Virginia Creebmore, of Dept. A16N, and she did okay for herself at Cherokee Lake recently with a total catch of seven crappie and four bass . . . Members of the Wolves softball team, composed of men from Bldg. 9709, dropped in on Bill Forrester after a game at the Administration Field for a bit of baseball talk. Seems they talked until they had practically eaten Bill out of house and home. Our advice to Bill, if you like small grocery bills, be sure that all the baseball is played on the field instead of in your living room.

Y-12 Chemists Attend ACS Meet In Chicago

A group of Y-12 chemists and scientists returned to the plant last week after attending the national spring meeting of the American Chemical Society in Chicago April 19-23. Two of the Y-12 delegation, Dr. C. E. Larson, Y-12 Superintendent; and Dr. C. P. Keim, Superintendent of the Isotope Development Department; presented papers at the meeting.

Dr. Larson's paper entitled "Physical and Chemical Properties of Uranium Peroxide" while Dr. Keim's topic was "A Report on Electromagnetic Concentration of Stable Isotopes and Their Availability."

In addition to Dr. Larson and Dr. Keim the Y-12 chemists attending the Chicago meeting included Jesse Herndon, Forrest Clark, H. P. House, Warren Grimes, Boyd Weaver, C. D. Susano, Joseph E. Lee, John Reece and Reba Justice. Fred Sexton, of the Y-12 Employment Department, accompanied the party to Chicago.

Park Vandals Out Of Style This Season

It used to be considered quite "the thing" to inscribe initials on trees with sharp knives or on rocks with gaudy paint—particularly by the more romantically inclined who would proclaim their troth through enclosure of their initials inside of hearts pierced with arrows.

However, that style has gone out of style—definitely. Particularly the old custom is obnoxious to national and state park officials.

Smoky Mountain Park Supt. Blair Ross recently reported that vandalism in the park includes the painting of signs on bluffs and rocks as well as name carving on trees and trash scattering. The Park Service, he said, is endeavoring to remove such disfiguration by sand blasting. Efforts are being made to trace down some of the names and culprits, if caught, will be prosecuted, the superintendent said.

"Some persons have even painted religious signs on boulders in streams that we are trying to erase," he said.

Casual picnickers are the worst summer offenders, Superintendent Ross reported. During the season a considerable number of employees are required to gather up papers and trash left by visitors along the park highways and in picnic and camp grounds.



Only one birth was reported to a Y-12 family at the Oak Ridge Hospital last week. Mr. and Mrs. Waymon Elvin Williams became parents of a son, April 23.



Y-12 Photos By Vince Moore
HOT OFF THE GRIDDLE ARE THE NEW Y-12 BADGES just received by C. E. Johnson, of the Safety Office; and Avo Hammond, of Employment; who inspect the new identification facilities worn by each in the top picture. In the background is Ruth Kidwell, of the Badge and Pass Office, standing at a press where the badges are fabricated. Below are front and rear views of the new badges showing the new swivel catch that can be folded back to allow the badge to be easily placed in a pocket or purse.

Additions To Y-12 Technical Library

SCIENCE

HD 2741—Spriegel and Lansburg, "Industrial Management." Fourth edition. N. Y., Wiley and Sons, 1947. 656 pages.

HD 2741—Taylor, F. W., "Scientific Management." N. Y., Harper and Brothers, 1947. 287 pages.

CHEMISTRY

QD 262—Schriener, R. L., "Organic Syntheses." Vol. 27. N. Y., Wiley and Sons, 1947. 121 pages.

QD 271—Welcher, Frank J., "Organic Analytical Reagents." Vol. I-IV. N.Y., Van Nostrand, 1947.

TECHNOLOGY

TN 695—Hausner, Henry H., "Powder Metallurgy — Principles and Methods." N. Y., Chemical Publishing Co., 1947. 307 pages.

TN 695—Schwarzkopf, Paul, "Powder Metallurgy — Its Physics and Production." N. Y. Macmillan, 1947. 379 pages.

TP 9 Ref. — Kirk and Othmer, "Encyclopedia of Chemical Technology." Vol. I. N. Y., Interscience Encyclopedia, Inc., 1947. 982 pages.

TP 149 — Dallavalle, J. M., "Micromeritics — The Technology of Fine Particles." N. Y., Pitman, 1948. 555 pages.

TP 245.C4—Mantell, C. L., "Industrial Carbon, Its Elemental, Adsorptive and Manufactured Forms." N. Y., Van Nostrand, 1947. 472 pages.

Periodical — "Applied Mechanics Reviews," beginning with February, 1948 issue.

Periodical — "Mining and Metallurgy," beginning with April, 1948. issue.

Get rid of obsolete classified documents according to established procedure.

New Y-12 Badges Completed, Distributed To Employees

All of the new Y-12 badges with the convenient swivel catch to facilitate wearing have been completed at the Badge and Pass Office and sent to supervisors for distribution to employees throughout the plant.

Any employee who has not received a new badge is urged to communicate at once with his supervisor and make arrangements to receive the badge.

The new badges are for admittance to Area No. 1 and Area No. 2, as well as to the Oak Ridge area for employees living away from the city. The present exchange badges for admittance to restricted areas will be continued in use for the present but will be equipped with the new type clasp in the near future.



RICKARD—HENSON

Miss Geneva Henson and Marshall Rickard, both of Dept. B12H, were married April 14 at 312 Delaware Ave., Oak Ridge. The officiating minister was the Rev. Claude Miller.

Mrs. Rickard is the daughter of Mr. and Mrs. I. M. Henson, of Pine Knot, Ky. The groom is the son of the late William Rickard, of Talbot, Tenn.

Teacher (in English class): "Who can tell me what it is when I say, 'I love, he loves, she loves?'"

Little Boy in First Row: "That's one of them triangles where somebody gets shot."

Y-12 Plant Protection Program Progresses

(Continued From Page 1)

est to every employee in Y-12.

Just for instance there is the new fencing program to replace the old war-time temporary type installation that has more than served its purpose. The new fencing is modern in construction with all-metal posts mounted in concrete and the new fence lines have been drawn to enable the guard force to more efficiently patrol the various areas of the plant.

New Alarm Systems Provided

Another aid to the Guard Department is the installation of new alarm systems that will supplement the protection already given by the closely-knit shield thrown around Y-12 and certain strategic points therein to prevent entrance of unauthorized persons.

One of the projected forward steps for both the Guard Department and Fire Department is the acquisition in the near future of new uniform clothing. Plans call for discarding of the old summer khaki garb of the guards in favor of light weight trousers and shirts in the same hue of blue-gray of the present winter uniforms. Snappy new Eisenhower-type jackets will replace the old style blouses for the winter uniforms next autumn, according to plans already adopted during the past year. Incidentally, the firemen under Chief J. W. Hughey also will receive new light weight trouser for their summer uniforms.

New Vehicles Are Provided

Among the material improvements for both the Guard and Fire Departments during the past year is the replacement of war-time motor vehicle equipment with sleek, new automobiles. The guards have received several new automobiles equipped with the most modern two-way radio equipment while the firemen have two new cars and a pickup truck to replace old equipment.

One of the forward steps in the plant protection is the new fire alarm system now being installed after many months of preparation and design to fit the system to the needs of the plant. The nerve center of this system is being installed in a new brick building near the present Fire Department headquarters and the new apparatus is expected to greatly increase the efficiency of the fire fighting crews of the plant.

Program Acclaimed

The Y-12 Fire Department has received wide acclaim for its fire prevention program in 1947 when it was judged second among the industrial plants of the nation, being topped only by the Carbide K-25 plant. This program has been pressed to all corners of Y-12 and its success has been achieved through the thorough cooperation of all employees in the plant. The annual cleanup drive just completed is an important part of the fire prevention program and this program is being installed on a year around basis instead of just a springtime spurt.

Other steps taken during the past 12 months to increase the efficiency of the Fire Department in its task of not only fighting fires but eliminating the conditions that cause them include the removal of a number of old shacks, consolidation of storage facilities, installation of an emergency magnetophone alarm system that works even if all other communications are disabled and a revised agreement with the Oak Ridge Fire Department for assistance.

The Plant Emergency Plan and the new Plant Safety Program, both installed during the past year and now in full operation. Interlock in many respects. Objectives of both plans is the promotion of protection and safety of every individual in Y-12. Extensive training in both plans is being conducted by the Supervisory Training Department.

Participation in the various phases of both of these projects by Y-12 employees has been primarily on a voluntary basis; but the response throughout the plant has been widespread with instruc-

tion being received by hundreds of employees in first aid, fire fighting, use of gas masks, building evacuation and other steps to take in case of emergency. The training courses have been adapted to the needs of the various areas and departments in the plant and both men and women have enrolled. The Plant Emergency Plan has brought forth the organization of Emergency Squads with directors and wardens in different areas in the plant and also the formation of Auxiliary Fire Fighting Squads to supplement the work of the regular firemen.

Safety Program Is Clarified

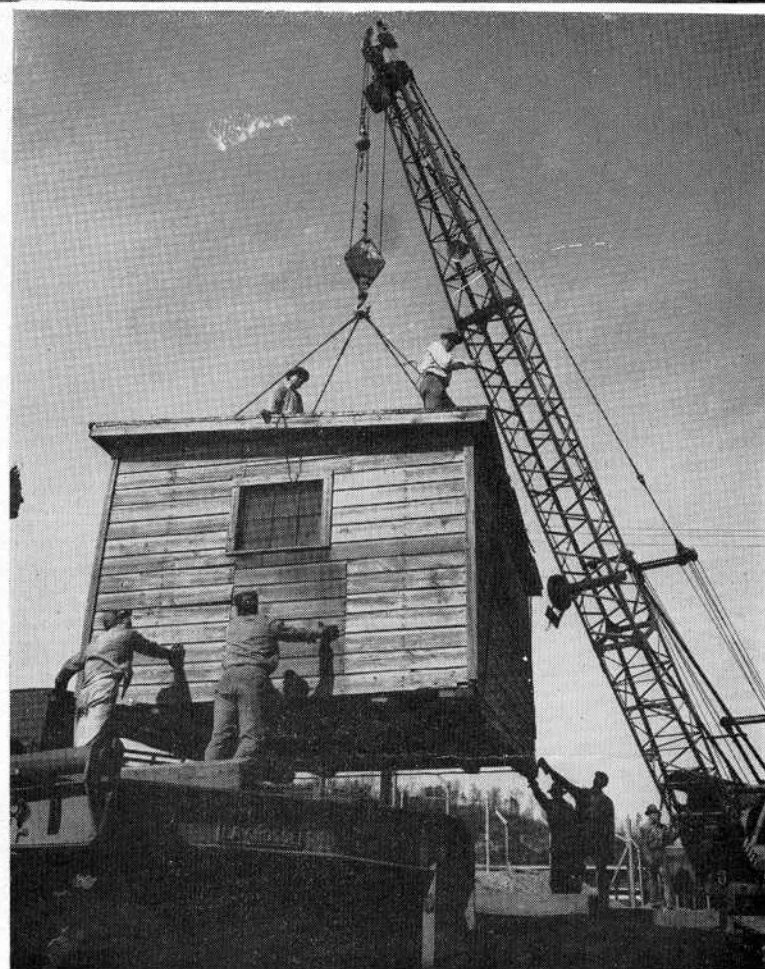
The comprehensive and formalized Safety Program was instituted in Y-12 during the past year in the form of a plant procedure that defined and clarified the safety policy of the plant and responsibility of various plant groups in placing the program in effect. A plant-wide safety committee structure extending from the Y-12 Policy Committee down to departmental groups was established to spread the principles of safe operation and practices to all corners of the plant. The program has as its aim the participation of all employees in the work of protecting life and property.

The accident statistical program recently instituted is not only directed at obtaining thorough information that may lead to better understanding of the safety problems facing the plant but also to impress on every employee the necessity of reporting all mishaps, no matter how minor, for their own protection. Through this program accident hazards are expected to be greatly reduced and through immediate treatment of any type of injury at the Y-12 Dispensary, lost-time may be greatly reduced.

Security Highly Stressed

The Y-12 Security Program is one of the most important and highly stressed factors in protecting the many vital secrets of plant operations from falling into the hands of unauthorized persons. During the past year Plant Procedure No. 55 was drafted to cover the security problems of the plant. Its principal features include the establishment of a central control for all classified information, known as restricted data, and establishment of a Plant Classification Committee that assists in obtaining a uniform interpretation of appropriate classification of all documentary material in Y-12.

The success of the entire protection program, according to



SOME OF THE HIGH SPOTS AND PERSONS PROMINENT IN THE SUCCESSFUL Y-12 cleanup and fire prevention campaign are shown above. At the top is a picture of a large group of Y-12 firemen at impressive ceremonies during which the certificate won by Y-12 for having the second best fire prevention program among industrial plants in the nation was presented to the department. Assistant Superintendent W. D. Lavers, right with back to camera, is presenting the certificate to Fire Chief J. W. Hughey. Just below is pictured Dr. C. E. Larson, Y-12 Superintendent, left, voicing thanks over receiving the award from T. Alfred Fleming, chairman of the National Fire Prevention Committee. At bottom is Chief Hughey and Assistant Chief J. E. Lain laying out plans for the Fire Prevention Week last October. The large picture shows one of the steps taken in the cleanup campaign that also is a factor in fire prevention—the removal of one of the old shacks that dotted the Y-12 landscape for some time before they were hauled away.

'Teen-Age Drivers Contest Slated

A 'teen-ager drivers' contest sponsored by the Associated Transportation Club of Memphis will be conducted, in which all local youths possessing a Tennessee drivers' license will be eligible who will not have reached their nineteenth birthdays before June 21, it has been announced by the Oak Ridge Department of Public Safety.

In order to enter the contest, 'teen-agers must fill out an application which the parent or guardian must sign and write a 100-word essay on "Why I Should Be a Safe Driver." These applications are available in the principal's office at the high school.

Plant Protection Superintendent T. A. McKenzie, is dependent upon the cooperation of all employees in Y-12. During the war-time days and since, Superintendent McKenzie has pointed out, this cooperation has been splendid and only through such assistance can progress in the objective of making Y-12 a better, safer and more attractive place in which to work be maintained.

What Difference Did It Make Except To Another Hippopotamus

When a new arrival in the hippopotamus family arrived at the Brookfield Zoo in Chicago officials at the zoo could only inform the public that it was just a baby hippopotamus, recent news dispatches reveal.

They were unable to tell the sex of the new arrival because the birth had taken place under water. The zoo director said the hippo

calf, estimated to weigh about 30 pounds, was a "good, normal, fine calf and was able to swim at once."

Meanwhile the baby hippo and its mother, which weighs about 3,200 pounds, continued to swim around merrily for some time before coming out and allowing whoever was interested to determine if the calf was a little boy hippo or a little girl hippo.

Draft May Miss Guard Enlistees

Men enlisting in the Oak Ridge National Guard will probably be exempt from a draft act should it be passed later on by Congress, it has been indicated by local guard leaders who are now conducting an enlistment campaign.

Enlistments in the local guard units of the 194th Engineer Combat Battalion are open to men between the ages of 17 and 34. Interested persons are directed to report any Tuesday night at the guard headquarters located at Lakewood Hall.

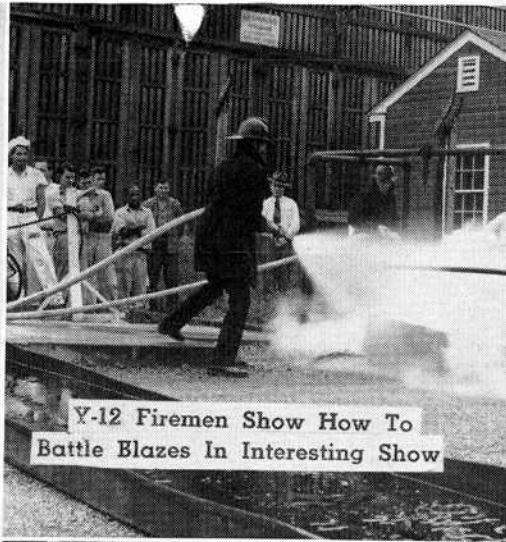
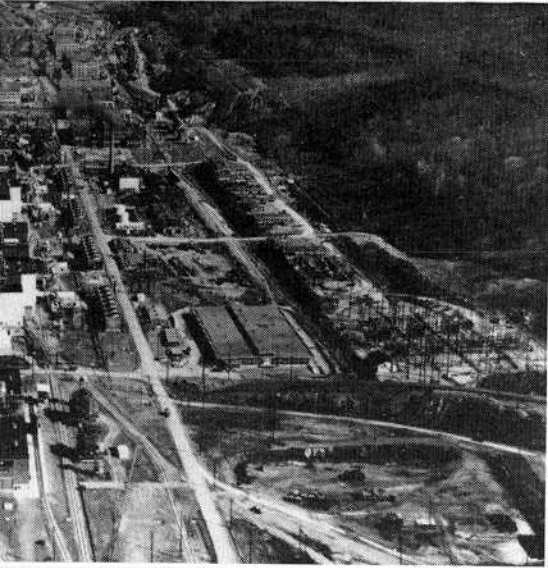
Y-12 Women Join Beta Sigma Phi

A number of Y-12 women employees were initiated into the Beta Sigma Phi sorority at the 17th annual Founder's Day dinner of the organization last Thursday night at Grove Recreation Hall. The initiation ceremony was preceded by a dinner. Imogene Odom, former Y-12 employee, presided at the function.

\$10,000 PER HOUR

Every hour of the day the Metropolitan Life Insurance Co. pays more than \$10,000 in claim checks to group-insured employees and their families.

Of Operations Under Carbide And Taken From Files Of The Y-12 Bulletin



Y-12 Firemen Show How To Battle Blazes In Interesting Show



Dispensary Staff Keeps Employees In Good Health: Many Examinations Given



Broken neck splint
Plant Emergency Plan Training Program Makes Progress In Y-12:
3. 4 blanket rolls
4. 15 chest bandage



Y-12 TOPS RED CROSS GOAL



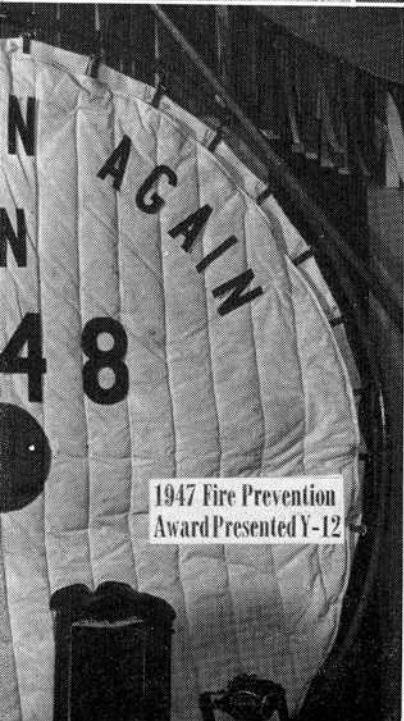
Enjoyable and Profitable



Wins In Jaycee Crate Derby



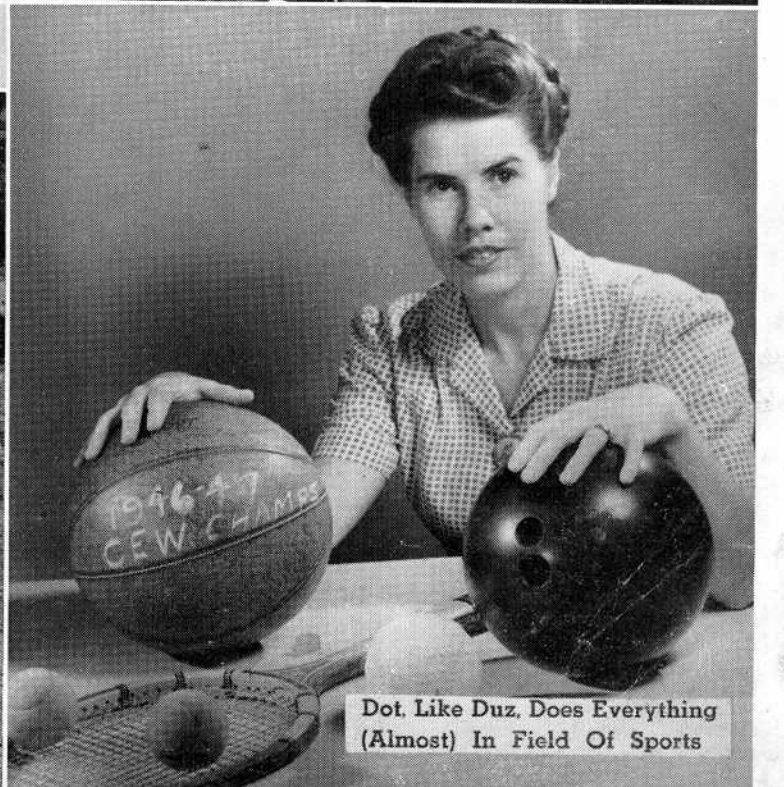
'Let's Have Another Party Soon' Is Reaction To Joyous Shindig



1947 Fire Prevention Award Presented Y-12

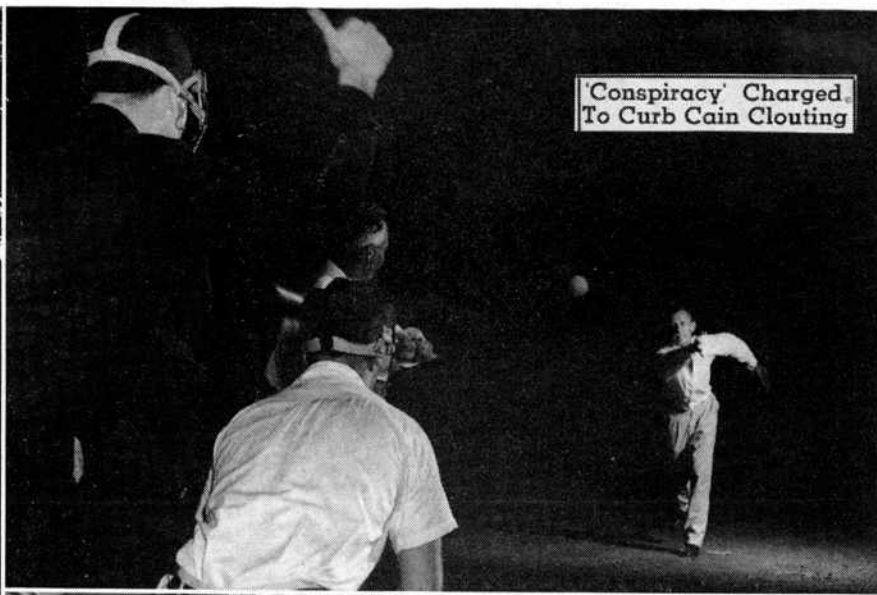


Two-Child Power Lawn Mowing Technique Shown

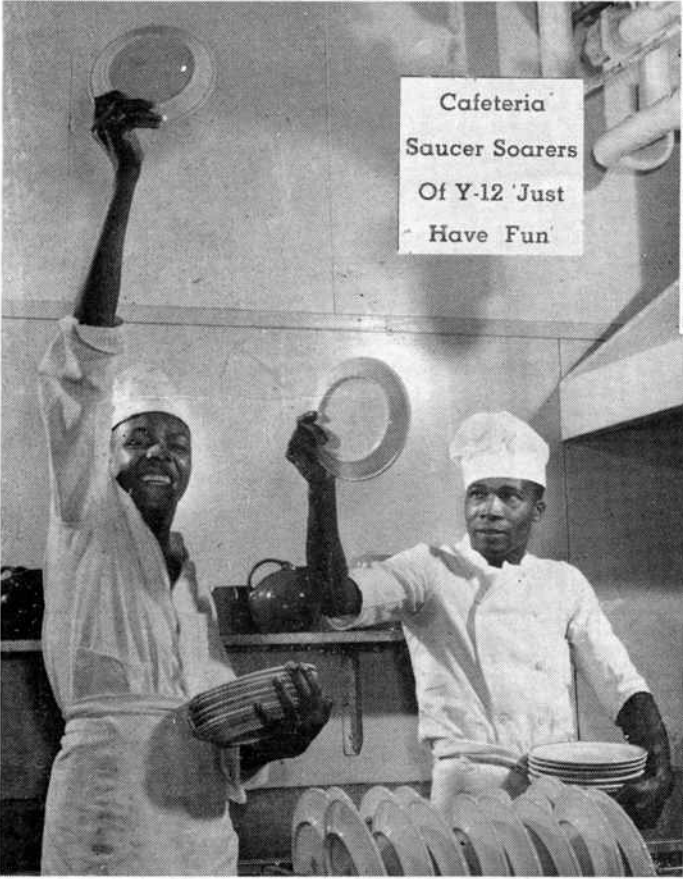


Dot, Like Duz, Does Everything (Almost) In Field Of Sports

Picture Parade Of Persons And Activities In Y-12 During Last Year



'Conspiracy' Charged.
To Curb Cain Clouting



Cafeteria
Saucer Soarers
Of Y-12 'Just
Have Fun'



Y-12 Is Host To Prominent Army Visitors



Much Travel, Varied Situations
Met By Winnie Miller On Job



Oh For The Life Of A Fireman



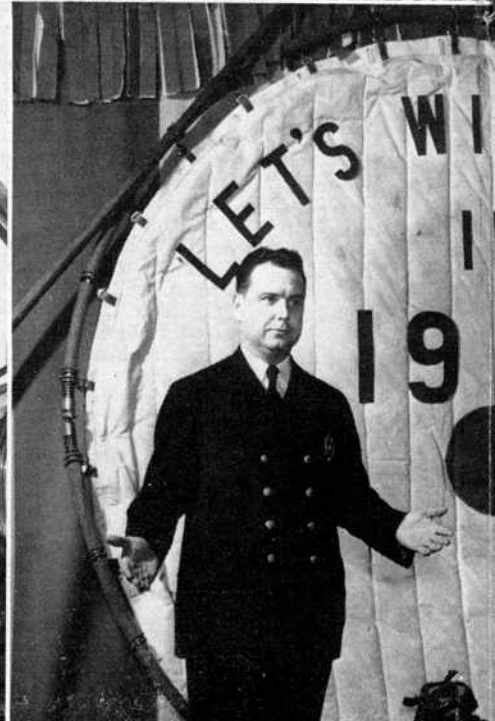
Y-12 Employees Find Home Gardening



Here's The Long And Short Of It



Modern Equipment and Up To Date Methods
Used By Guard Department Insure Security



Y-12 TEAMS WIN TWO CITY TITLES

Basketball And Bowling Crowns Captured; Well-Rounded Program Presented For All Plant Workers

Headlined in the first edition of The Y-12 Bulletin, just a year ago, was the story of the auspicious opening of the plant softball league when a doubleheader was played under the lights at Administration Field immediately following a first-pitch ceremony. Lusty batting prevailed as the Has Beens walloped the One-91s by a score of 14 to 5, and the Bums ran in 16 runs to the Rambler's nine.

C. N. Rucker, then Plant Superintendent at Y-12, pitched the first ball to Ed Cain, Industrial Relations Division Superintendent; with Jess Herndon, Chemical Division Superintendent, receiving. When Umpire C. E. McGregor called the batter out before the ball had reached the plate, Cain reacted somewhat like Leo Durocher. The jesting umpire gave the batter another chance and a neat single resulted.

The doubleheader launched the recreation program at Y-12 under the new management of the Carbide and Carbon Chemicals Corp. Arnold Tiller, who had been appointed to direct the sports and recreation program at the plant back in August, 1944, continued as Y-12 Recreation Supervisor.

Difficult Problem Faced

The reduction in employment from war production days posed a difficult problem last spring for the Recreation Department in obtaining manpower to field teams sufficiently strong to cope with other Oak Ridge aggregations selected from much larger fields of candidates that it was possible to muster in Y-12.

However, a well-rounded and varied program of sports and recreation more than made up for the lack of participation in the major leagues. A girl's Y-12 varsity softball team was formed and entered in the Oak Ridge Women's League. This team contested all the way for the league leadership and lost out to the Oak Ridge Hospital team.

Has Beens Softball Champs

The Has Beens captured the Plant Softball League championship and the Bldg. 9212 boys placed second. After bowing in the first game in the double elimination tournament which followed the regular season, the champion Has Beens came back strong to win the tourney finale from the Calutrons by a score of 12 to 3. Composing the plant softball league were the Bums, Has Beens, Calutrons, Maintenance, Wolves, Ramblers, Y-11, Bldg. 9212, and the One-91s.

A joint Y-12 and K-25 handicap golf tournament was staged at the Rockwood golf course that started September 13. Floyd Ludwig, Dept. A16N, shot a 73 which gave him a tie for medal honors with a Tom Blair of K-25. Ludwig went on to win the tourney's top flight championship by defeating Les Cook, then of Y-12, one up on the 17th green. In the first Oak Ridge inter-plant golf tournament staged at Lenoir City last October 11, Y-12's golfers won out over Roane-Anderson, Oak Ridge National Laboratory and K-25. Playing for Y-12 were Capt. Les Cook, Ed Cain, H. J. Ratjen, Floyd Ludwig, Larry Koontz, Bill Reynolds, Doug Lavers and Emil Vincens.

Basketball Practice Called

First call for basketball practice for both men and women was sounded November 4 by Tiller as Coach Bill Davis began scouring the plant for players to fill the vacancies caused by departure of the star players who composed last year's championship women's team. Dorothy Mellen, Virginia Bowers, and the Lowe sisters, Judy and Alta, were the only veterans returning from the 1946-47 team which swept through undefeated in the Oak Ridge league and piled up 16 straight wins for the title.

Meantime a Y-12 team had been entered in the Oak Ridge Touch Football League and captained by Mal Wallis. A good defensive team, the Y-12 team finished in fifth

SPORTS

place because it lacked an offensive punch.

Y-12 was well represented in Oak Ridge bowling circles with varsity teams in both the men's and women's city leagues, a Plant League of 12 teams bowling on Thursday nights and a Tuesday night D Area League of eight members. Bowling season for Y-12 Keglers started the week of September 14.

Guards Win Basketball Crown

Play in the Plant Basketball League started December 5. Composing the league were the Guards, Rough House Five, Time Keepers, Kilroys, Bldg. 9212, and the Bottlenecks. Both first and second half honors in the Plant Basketball League were captured by the Rough House Five quintet. However, the double elimination tournament which started March 25 produced another champion. The Guards became tourney titlists taking the Rough House Five in the finals.

Y-12 fielded a team in the City Recreation "B" basketball league, which was composed of the best plant league players. After dropping the initial contest to the Atomic Energy Commission aggregation, the Y-12 team put together seven straight wins to end the first half tied for the title with K-25. Y-12 won the single game playoff by a score of 29 to 27. Then K-25 turned the tables by capturing the second half which was played in form of a single elimination tournament. The three-game playoff between Y-12 and K-25 for the season's championship proved a ding-dong affair as K-25 won the first game with ease by a 46 to 18 score. Then Y-12 came back and defeated their Carbide cousins 43 to 21 in the second encounter. No basketball game ever played in Oak Ridge was more spectacular than the third contest which Y-12 won 42 to 41 in an overtime period after the score had been tied up 37-all in regulation time.

Women Have Good Record

A 24 to 25 loss to the Oak Ridge National Lab gals in the season's finale in the Women's City Basketball League gave Coach Davis' lassies second place in the final standing. That record plus excellent showing in Knoxville and Nashville tournaments gave Coach Davis' team a creditable season.

Y-12 put a team in the City Pocket Billard League which made a garrison finish to land in second place in second half play after a poor first half showing.

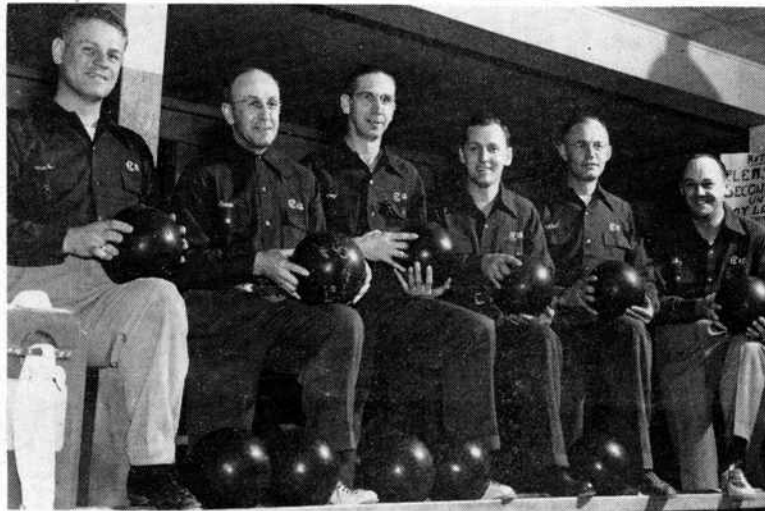
Capt. "Sky" Barker's Y-12 varsity bowling team finally captured the season's championship in the City Industrial League with a record of 63 wins against 27 losses. As this is being written the Y-12 varsity keglerettes stand in second place in the Women's City Bowling League.

Wolves Win Bowling Crown

First round honors in the Plant Bowling League was captured by the Bottom Busters who also annexed the third round title. But the Wolves, who topped the second round, won the season's championship in a playoff with the Bottom Busters by taking a two out of three game series. Season's championship in the D Area Bowling League was an unsettled issue at the time of this writing as the title match between the Termites, first half winners, and the Calutrons, second half victors, had not



A STORYBOOK FINISH FOR A TEAM THAT WAS AN ADDED STARTER IN THE CITY Recreation Basketball League brought an Oak Ridge title to Y-12 this year. Shown above is the Y-12 entry in the loop, variously known as "Tiller's Toilers" and the "Cinderella Boys." The players scorn the latter cognomen, claiming they wore shoes and were not out at midnight. Front row, left to right, are Jack Baer, John Sewell and Fred Kapplemann. Rear row, Bill Wright, Elmer Green, Otis Rackley, Paul Clevenger, R. R. Blankenship, Rick Sparks and Coach Arnold Tiller. Bill Cottrell and John Ramsey, members of the squad, were absent when the picture was made.



THE SIX KING PINMEN ARE MEMBERS OF THE Y-12 varsity bowling team which copped the championship of the City Industrial League with a season's record of 63 games won against 27 lost. Left to right are Nick ZaBenco, Ernie Cobble, Roy Roberts, Charlie Beckett, Bruce Whitaker and Capt. L. H. "Sky" Barker.



HIGHLIGHT OF THE Y-12 golfing season last year was the finals of the Y-12 and K-25 handicap tournament played at the Cedar Hills Golf Club near Lenoir City in which two Y-12 men battled 18 holes to decide the top flight championship. Floyd Ludwig, seated, of Dept. A16N, defeated Les Cook two up and one by shooting on 81 to Cook's 82. The Y-12 golf team will miss Cook this season as he is now located at the Oak Ridge National Laboratory plant.

yet been arranged.

This spring the Recreation Department put the Y-12 sports program into full swing in announcing a baseball team would be

(Continued on Page 7)

Y-12 Varsity Keglers Win Championship

Capt. Sky Barker's Y-12 varsity keglers captured the City Industrial Bowling League championship, lock, stock and barrel, as a result of a climb into first place started February 24 and climaxed by a three-game clean sweep of the finale with the Skidmore outfit Friday night, April 23. Final standing of the 90-game schedule of 30 matches gave the Y-12ers a two-game margin over the second spot Atomic Energy Commission aggregation.

Victory over the Skidmores was accomplished handsomely by the wide-margin scores of 815 to 614, 834 to 648, and 817 to 749. Individual efforts on the part of the Y-12 keglers were Ernie Cobble, 166, 148 and 196; Sky Barker 128, 135 and 151; B. Whitaker 154, 176 and 155; Rudy Pletz 164, 190 and 171; and Roy Roberts 203, 185 and 149.

Roy Roberts' 173 game average topped all individual league efforts, and Ernie Cobble's 172 clinched the runner-up spot, while Nick ZaBenco landed fourth with 168.9. Cobble rolled a 615 for high series and the Y-12 score of 2,690 won highest honors for best series efforts during the season.

Final league standing follows:

Team	W	L	Team	W	L
Y-12	63	27	K-25	53	37
AEC	61	29	Fairchild	25	65
R-A	55	35	Skidmores	13	77

Varsity Keglerettes Sweep Match From Castoff Team

Nothing gained, nothing lost last Thursday night left the Y-12 varsity keglerettes trailing the Oak Ridge National Lab gals by four games as both quints clean swept their matches at the Grove Alleys. Overtaking the loop-leading ORNL girls looms a bit difficult for Y-12 as just four matches remain on the Women's City Bowling League schedule.

The Y-12ers won the three games from the Castoffs by scores of 653 to 625, 662 to 593, and 680 to 663. Individual rolling marks chalked up by our girls were Dot Roberts, 148, 145 and 145; Ann Prestin, 110, 126 and 157; Lora Tucker, 111, 128 and 152; Eleanor Johnson, 125, 133 and 129; and Myrtle Campbell, 159, 130 and 97. Y-12 bowls the Pine Valley Merchanteers this Thursday night.

League standing follows:

Team	W	L	Team	W	L
OR Lab	61	26	K-25	43	44
Y-12	57	30	Jeffs	43	44
R-A	51	36	G.Mehn'ts	38	49
Dodgers	47	39	Ford Motors	37	50
Morats	45	42	P.V.Mehn'ts	29	58
Fairchild	43	44	Castoffs	28	59

SPORTS HAZARDS CITED

The Metropolitan Life Insurance Co. says that 70 per cent of the fatalities from outdoor sports among its industrial policyholders are accounted for by hunting, fishing, and swimming. Hunting alone is responsible for slightly more than 10 per cent of all deaths from outdoor sports.

If people would take more pains they would cause less of them.

Men's Tennis Team Starts Ridge League Play Tomorrow

The Y-12 men racquet wielders will see initial action at 5:30 o'clock tomorrow night at the Jefferson courts when Capt. Mal Wallis' varsity team meets the Roane-Anderson entry in the Men's City Tennis League. Four single matches and two doubles will be played.

A Y-12 tennis ladder tournament also swings into action this week as 16 men already have lined up for participation in this event which will carry through the summer. The starting order lists Russ Baldock at the top and followed by Mal Wallis, Fred Hurst, Larry Koontz, Buck Buckminister, John Byrd, Charlie Harrison, Ed Scofield, John Radin, Bill Tunnel, Ken Allen, C. E. Larson and Carl Petretsky.

The few rules governing ladder tournament play are, first a player may challenge any one of the three men directly above him; and second, the challenged must accept and play the match within a week's time of the challenge.



Y-12 Photos By Vince Moore

THE FEMININE RACQUETEERS PICTURED ABOVE ARE candidates for the Y-12 varsity tennis team who have been indulging in numerous practice sessions at the Ridge courts in preparation for opening matches in the Women's City Tennis League which starts early this month. Left to right are Capt. Virginia Spivey, Louise Hall, Elizabeth Patrick, Rosemary McNabb, Joan Gilliam, Mae Hale, Ann Hart, Phyllis Brown and Helen Burkhalter.

Y-12 Teams Win Two Ridge Championship; Well-Rounded Program Offered All Employees

(Continued From Page 6)

fielded in the Oak Ridge Municipal League, a women's varsity team in a city softball league and that Y-12 would enter teams in both the men's and women's city tennis leagues. About 35 candidates have reported for the Y-12 baseball team tryouts. The men's and women's varsity tennis teams should be championship contenders in the two city-wide tennis leagues. A squad of 18 candidates for the Y-12 softball entry promises a top notch contender in the women's league.

12 Teams In Soft Loop

The stepped-up recreation program at Y-12 this season means a lot more softball will be played this season than last as 12 teams now compose the 1948 Plant Softball League. These teams are the Bums, Calutrons, All Stars, Bird Cagers, Bldg. 9212, Guards, Wolves, Old Men, Maintenance, Fire Department, One-91s and the Dreamers. Each team will play two games per week starting May 11. A men's varsity softball team is being organized to represent Y-12 in the city recreation "B" league.

An interesting recreational feature at Y-12 is the Carbine Camera Club of approximately 35 members of K-25 and Y-12 employees who meet monthly at the East Portal Building. The club's many print competitions have resulted in a great number of outstanding pictures, several of which have been published in The Y-12 Bulletin.

Launching the Y-12 golfing season will be an open tournament at the Oak Ridge Golf Club which will start Saturday, May 15, when the qualifying rounds will be played. Qualifying scores will determine flight participation, with eight contesting in each flight. Tiller announces that trophies will

be awarded the medalist, winners and runnerups of each flight. Complete details of the tournament will be announced in the next edition of The Y-12 Bulletin.

Atomic City Wins; Bookies Get Blasted

A long-shot nag named Atomic City proved a real hot shot during the spring race meeting at Fair Grounds track at New Orleans and paid \$91 on a \$2 mutual ticket, according to recent news dispatches. The resultant explosion was heard as far away as Los Vegas, N. M.

Operators of a bookie joint in New Mexican gambling town yelped long and loud to police when they found out their leased wire had been cut and somebody at another club had found out about Atomic City's victory and proceeded to "clean" the first club to the extent of at least \$11,000.

Battlefield Prizes Can Be Dangerous

Battlefield trophies are especially hazardous unless their harmful properties have been wholly eliminated. Supposedly unloaded guns and pistols have found many victims; carelessly handled swords, bayonets, knives, and other edged or pointed weapons have caused critical injuries; loaded shells, hand grenades, and other objects containing explosives, often assumed to be "duds," have burst unexpectedly and have taken their toll of eyes and limbs.

Plant Softball Teams Begin Play May 11

Sunshine that brings flowers blooming in May also should bring forth a lot of booming hits from the bats of the lusty Plant Softball League hitters as they lean against practice game pitching in this week's heavy workout schedule arranged by the Y-12 Recreation Department.

The 10-game practice sessions on tap this week wind up preliminary skirmishes between the 12 plant softball teams as the league opens officially Tuesday, May 11, with a tripleheader at Administration Field. Y-12 Superintendent C. E. Larson will toss out the first ball in the inaugural contest, which is slated to get under way at 5:30 p. m.

A schedule of games for the first week of league play follows the practice scheduled printed below.

Practice Schedule

Tuesday, May 4—Administration Field, Dreamers vs. Fire Department, at 5:30 p. m.; All Stars vs. Bird Cagers, at 6:30 p. m.; Calutrons vs. Maintenance, at 7:30 p. m.; and One-91s vs. Old Men, at 8:30 p. m.

Wednesday, May 5—Jefferson Field, Guards vs. Wolves, at 5:30 p. m.

Thursday, May 6—Administration Field, Bird Cagers vs. One-91s, at 5:30 p. m.; Bldg. 9212 vs. Old Men, at 6:30 p. m.; All Stars vs. Bums, at 7:30 p. m.; and Fire Department vs. Calutrons, at 8:30 p. m. The other game of the 10 scheduled was played last night between the Bums and Bldg. 9212.

League Schedule

Tuesday, May 11—Administration Field, Guards vs. Fire Department, at 5:30 p. m.; Bldg. 9212 vs. One-91, at 7 p. m.; and Maintenance vs. All Stars, at 8:30 p. m.

Wednesday, May 12—Jefferson Field, Bird Cagers vs. Wolves, at 6 p. m.

Thursday, May 13—Administration Field, Old Men vs. Calutrons, at 5:30 p. m.; Dreamers vs. Bums, at 7 p. m.; and Bird Cagers vs. All Stars, at 8:30 p. m.

Women Racqueteers Of Y-12 Meet K-25 In Loop Opening

Capt. Virginia Spivey and her Y-12 varsity teammates will meet their K-25 cousins from out West Turnpike way on the Ridge courts May 18 in the opening match of the Women's City Tennis League schedule. The four singles contests will start at 5:30 p. m. and the two doubles matches will begin at 6:30 p. m.

Season's schedule in the girls' tennis loop has been divided into halves of four matches each, the first starting on May 18 and running to June 17, and the second half starting June 29. If each half shows a different winner, a play-off series will be staged to determine the season's champion.

ORCMA Announces Concert Finale

Final concert of the season of a series sponsored by the Oak Ridge Civic Music Association will feature the Oak Ridge Symphony in a presentation scheduled to begin at 8 p. m., Saturday, May 8, at the high school auditorium. Guest star of the program will be David Van Vactor, flutist, who will appear as soloist in a performance of the Mozart Flute Concerto No. 2 in D-Major.

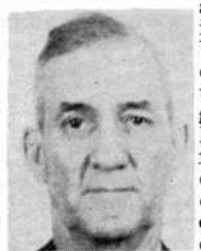
Tickets for the concert are being sold at the Music Box every day this week from 4 p. m. to 6 p. m. However, tickets also may be purchased at the high school auditorium box office just prior to the performance.

OVERWEIGHT IS DANGEROUS

Overweight may menace your health, especially if you are over 30, for it often goes hand in hand with high blood pressure, heart ailments, diabetes, and other diseases. However, if you are under 30 a small amount of overweight can be beneficial.

Y-12 Painter Once Was Star On Diamond

Speaking of baseball. Any Y-12 employee who likes to listen to diamond lore should seek out Eli T. Wooley, well known around the



Eli Wooley

area as a painter in Dept. A17NH. Wooley's knowledge of the national game was gained first-hand as a professional player of long experience. A five-year employee here come next September, Wooley impresses a close observer that he must have been an athlete in his younger days, judging by the deftness of the manner in which he swings his painter's brush.

Began Playing In 1905

Wooley began his professional ball playing career back in 1905, when he signed with his home town team, the Leavenworth, Kan., Maroons, of the old Western Association.

From Leavenworth, Wooley went to the Kansas City Blues in 1908. Two years later, he was acquired by the Topeka, Kan., team in the Western League. During 1911 he played outfield for Mobile, Ala., in the Southern Association. There, prospects of Wooley becoming a major league player were dimmed by a severe attack of malaria, from which he never fully recovered during the rest of his ball-playing days.

Led Tulsa To Pennant

After three years of professional baseball with the Peoria team in the Indiana-Iowa-Illinois League, the "Three I" loop, Wooley managed Tulsa in the Western League and won the pennant there in 1915 and placed third in 1916. Then came a number of following years in which he managed a number of independent teams.

Wooley, who has a season pass which permits free attendance to any professional game, regularly corresponds with well-known baseball men like Clarence "Pants" Rowland, president of the Pacific Coast League, and Billy Myers, a Knoxville resident, manager of the Pittsburgh Pirates.

Long Twin Bill Thriller

His diamond prowess was based on speed, which brought him a wide reputation as a ball-hawk in the field and many stolen bases every year he played professional ball. Wooley's batting average never fell below .260. Remembering, Wooley said the greatest thrill he remembers was the 14 and 18-inning games in a doubleheader he played in while a member of the Peoria, Ill., team and the base hit he made which broke up the last game in the 18th.

He has a grown daughter and a son, but he said baseball never appealed to the boy. Wooley lives with his wife in Knoxville and he attends most of the games played by the Smokies.

Carrots and cheese make a tasty dish. Pour cheese sauce over cooked carrots.

Y-12 Cardinals Play VFW Nine Tomorrow

Although last Thursday night's practice game with the Roane-Anderson Wildcats was cancelled because of chilly weather, a short workout was held by Manager C. B. Hopkins for the Y-12 Cardinals baseball squad at Oakwood Park. Hopkins' system of pre-season training is based on conditioning and coaching in fundamentals, batting and fielding, rather than actual play. Sore arms and stiffened joints have been carefully sidetracked by this method; so that when the Cardinals take the field in their opening game May 23, all players should be in top form.

The Cardinals will take on the Veterans of Foreign Wars nine at 7 o'clock tomorrow night under the lights at Oakwood Baseball Park, No. 1, in another pre-season practice game. Y-12 baseball fans are urged to turn out for a wetting of the diamond appetite and a view of Manager Hopkin's prospects for a winner. The boys look good so far and showed plenty in their 5 to 2 win over the Community Stores outfit week before last. Another practice session has been scheduled for Sunday, May 9, at 5 p. m., at Oakwood Park.

Feminine Softball Candidates For Y-12 Showing Up Nicely

A meeting set for 3:30 o'clock this afternoon at the City Recreation office was expected to determine the opening date for the Women's City Softball League membership of the loop and arrangement of the season's schedule.

Meantime Coach Ray Ledford and Assistant Recreation Director Bill Stanton announce that the Y-12 entry is shaping up and looking good in the several practice sessions already held. The girls will work out at 5:30 o'clock tonight at Midtown and at 5:30 p. m. Thursday at the Fairview School diamond.

Meatless Burger Is Evolved In Arkansas

News dispatches from Fayetteville, Ark., recently reported that the University of Arkansas has developed at a low cost a "burger-like" meatless dairy food product with a protein content approximating that of lean meat. It does not contain meat or eggs, but is concocted from dried milk products, yeast and other ingredients which the university did not identify.

University authorities declare the new meatless burger has great possibilities for use because of its great nutritional value and low production cost. It is suitable for canning and freezing and large scale commercial output and can be used in any recipe calling for ground meat such as croquettes, loaves or meat balls.

A growling man lives a dog's life.



POPULARITY AMONG HER OWN TEAMMATES AND basketball fans of Knoxville won for Virginia Bowers, star guard on the Y-12 women's team last season, an all-expense trip to New York. She is shown above in Sardi's with Georgie Price, stage comedian, whom she met on the trip.

Better put
'em on a
DOLLY

WEAR Safety SHOES

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Liberal Benefits Given Y-12 Employees

(Continued from Page 1)
was the first Y-12 Superintendent under the new regime, offered employment to TEC employees in Y-12 under, for the most part, the same conditions they previously held. Service with TEC in Y-12 would count as service with Carbide in determining eligibility for Carbide employee benefits, the new Superintendent announced.

At the same time, full reduction in force benefits were given TEC employees who did not choose to remain in Y-12. Assistance in gaining other employment for these persons also was offered by Carbide.

For the great majority of Y-12 employees who decided to accept employment with Carbide the employee benefits of their new employers were placed into effect in quick order.

Insurance Plan Offered

First came the offer of participation in the Carbide Group Insurance Plan, providing both life, health and accident insurance as well as total and permanent disability benefits. Enrollment in the plan was purely voluntary on the part of Y-12 employees. The insurance arrangement is operated under contract of Carbide with the Metropolitan Life Insurance Co. with the Company and the insured employees sharing the cost of the premium.

Shortly after the Carbide Insurance Plan was offered Y-12 employees a revision of the plan was announced to increase materially the amount of life insurance and health and accident benefits with only a small increase in premium payments. The insurance provisions were so attractive to Y-12 employees that one month after the plan was put into operation it was announced that 93.5 per cent of eligible employees in the plant had enrolled.

Sickness Benefits Extended

Nonoccupational and sickness benefits were extended on December 8, 1947, to hourly paid employees of Y-12 whose Company Service Credit at that time exceeded one year and who met other conditions to become eligible for the benefits. These benefits were entirely separate from the Carbide Insurance Plan benefits. To be eligible for the nonoccupational and sickness benefits an employee must provide the Company with a doctor's certificate, subject to confirmation by a physician selected by the Company, as proof that absence from work was because of legitimate nonoccupational sickness or injury.

Such absences must be in excess of three days and following this three-day period payments will be made to employees on a basis of length of service of the employee.

Savings Plan Presented

Then came the presentation of the Carbide Savings Plan that offered Y-12 employees an attractive and economical method of making substantial savings. This plan, like the insurance proposition, also was on a voluntary basis for employees and also proved popular. The plan provides for weekly or monthly payroll contributions through payroll deductions by the employee to which the Company adds from 10 to 30 per cent depending on length of service. Interest of two per cent, compounded annually, is paid on both amounts. The Carbide Savings Plan runs for a period of two years beginning July 1, 1947, after which the subscriber to the plan receives the full amount of his deductions, plus the amount of Company contributions and interest. Provisions are made for employees to enter the plan during its life as they become eligible through length of service.

After considerable study had been given by the Company to difficulties encountered by hourly roll employees because they lost a day's pay during a work week on which a holiday occurred, a new holiday pay plan for Y-12 employees was adopted to be effective August 31, 1947. The plan provided for straight-time pay for holidays not worked for those employees scheduled to work on that



Y-12 Photos By Vince Moore
ONE OF THE NEW ACCOMMODATIONS ADDED DURING the year for the convenience of employees was the check cashing facility established in Bldg. 9723-12 February 23. In the picture are T. A. Williams and Verna Peckman who cash the checks, and in the foreground are Geneva Caldwell, Kay Orton and R. R. Tippey, inspecting the new office.

Penalties Heavy For Revealing Atomic Energy Restricted Data

The policy of the Atomic Energy Commission toward control of information pertaining to atomic energy is clearly described in Section 10 of the Atomic Energy Act of 1946.

The provisions of this section are of vital importance to the security of the country and were written after carefully determining the objectives desired. The problems are especially difficult because the necessary objectives compete with or are in direct conflict with one another. The common defense and security of the country require control over information which might help other nations to build atomic weapons or power plants and, at the same time, permit sufficient freedom of interchange of ideas between scientific and technical personnel to assure the nation of continued progress in this field.

Heavy Penalties Prescribed

The dissemination of certain information or the mishandling of certain materials with the intention of injuring the United States or to provide an advantage to a foreign nation is strictly prohibited. For conviction of violation of this provision of the law a maximum penalty of 20 years and a fine of \$20,000 is provided.

The information involved in this provision of the law is clearly defined and called "restricted data." The AEC is authorized and directed to remove information from the restricted data category whenever its publication will not adversely affect the common defense and security of the United States.

Channels Are Provided

Proper channels are established in Y-12 to make possible the publication of information on certain aspects of the project which are determined to be of no vital importance to any country.

Color Slide Competition Set May 11 By Camera Club

A color slide competition with the subject being children will be staged by the Carbide Camera Club at its next meeting at 7:30 p. m., Tuesday, May 11, at the club headquarters in the Y-12 East Portal, according to Foster Calloway, president of the club. Members are reminded that tonight is the deadline for filing entries.

Calloway has stated that visitors are cordially invited to this session and may submit up to four slides to be shown in the competition. These entries will be included in discussion and criticisms accompanying the competition but will not be eligible for awards.

An Eastman Kodak Co. lecture on "Taking Pictures People Like," will be read during the meeting by some club member.

Maintenance Ideas Go To Hopkins

Employees are urged not to include proposals to repair sidewalks, roads or other maintenance problems in filing suggestions for improvement of plant operations. Such suggestions to expedite emergency repairs as well as reports on maintenance ideas should be sent direct to C. B. Hopkins, general foreman in the Maintenance Division, in charge of roads and grounds. Hopkins' telephone number is 7-8244 and his address is Bldg. 9968.

sies. L. Elkin Burkhart in charge; and Materials Laboratory, Cliff B. Graham in charge. Staff physicists for the entire department are Dr. C. R. Baldock and Dr. C. E. Normand.

Stable Isotope Production Marks Scientific Program

(Continued from Page 1)

Atomic Energy Commission had announced that the stable isotopes were available from Y-12 for distribution to laboratories throughout the United States.

The first shipment of the stable isotopes from Y-12 was made January 21 with the laboratories of Ohio State University being the first recipient. This consignment was the largest of seven made at that time to Ohio State University and other institutions, including the University of Wisconsin, California Institute of Technology, University of Chicago, Yale University, Princeton University and the research laboratories of the General Electric Co.

Types Of Isotopes Distributed

Samples of stable isotopes sent to these institutions included those of lithium, boron, magnesium, zinc, nickel, lead, silicon, tin, iron, molybdenum, germanium and selenium.

The Y-12 program has developed a total of more than 100 stable isotopes of 29 elements. In addition to those previously mentioned, the elements from which the stable isotopes now are available include carbon, chlorine, potassium, calcium, copper, titanium, bromine, zirconium, strontium, silver, cadmium, indium, antimony, tellurium, tungsten, and thallium.

Benefits Are Listed
Distribution of stable isotopes from Y-12 will bring new peacetime benefits in the following fields of investigation.

1. As tracers in medical and biological studies where radioactive isotopes cannot be used because of harmful effects of radiation on living tissues.

2. As tracers in medical, biological and agricultural studies where the radioactive isotope is not suitable because of its short half-life.

3. As the starting material for the production of particular radioactive isotopes which cannot easily be separated when made from the mixture of isotopes as it occurs in nature.

No Connection With Bomb

Y-12 was the first Oak Ridge atomic energy plant to achieve mass production of Uranium 235 early in 1944 for later use in the atomic bomb. The stable isotopes now being produced, however, are by-products of research and have no direct connection with the atomic bomb development.

Dr. C. P. Keim is superintendent of the Y-12 Isotope Development Department in which all phases of isotope research and production is carried out with the exception of isotope analysis by the mass spectrometer which are performed in the Mass Spectrometer Laboratory under direction of Roger F. Hibbs. This laboratory is a part of the Chemical Division, of which Jesse M. Herndon is superintendent. Sections of the Isotope Development Department include Isotope Production and Development, H. Wesley Savage in charge; Isotope Chemistry, Boyd S. Weaver in charge; Isotope Phys-

Dr. Larson Voices Pride On Progress

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When Carbide took over Y-12 operations, the first Y-12 Superintendent was C. N. Rucker. One of his first steps was to issue a statement in which he said he hoped the decision made by former TEC employees to transfer to Carbide would lead to continued good relations. He pointed out that Carbide brought employee benefit plans that have been tried and proven satisfactory through years of experience to that Company.

Mr. Rucker remained in Y-12 from last May through January of this year when he was transferred to the Oak Ridge National Laboratory when Carbide took over operations of that plant, effective March 1.

Succeeding him was Dr. Larson, a real pioneer in Y-12, as he came to Oak Ridge July 1, 1943. For several months before his advancement Dr. Larson was Director of Research and Development. With the promotion of Dr. Larson to Y-12 Superintendent other changes in Y-12 were announced, including appointment of W. D. Lavers as Assistant Superintendent in charge of engineering and production; E. C. Cain as Assistant Superintendent in charge of Industrial Relations; and Dr. E. D. Shipley as Director of Research.

Under this leadership and with the cooperation of everyone in the plant even more success is predicted for Y-12 during the second year of the Carbide regime in the plant.

Poll Tax Receipts May Be Purchased At Town Hall

Local residents eligible to vote in Tennessee will be able to pay their poll tax in Oak Ridge and become qualified to vote in county, state and national elections, according to information given out by the League of Women Voters of Oak Ridge.

An office for the purpose of paying the poll tax will open from 11 a. m. until 7 p. m. at Town Hall every day from May 3 through May 22 with the exception of Sundays, it has been announced by the same source. The poll tax costing \$1 must be purchased 60 days in advance of election for voting eligibility. In order to become eligible to vote a person must be more than 21 years old and have resided in the state one year and in the county six months.

Today the average length of life on the North American continent is 63.7 years for men and 68.6 for women, almost double what it was in the 18th century.